

# Volkmar Zielasek

## List of Publications by Year in descending order

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12  
papers

182  
citations

1307594

7  
h-index

1281871

11  
g-index

12  
all docs

12  
docs citations

12  
times ranked

323  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and Characterization of Ligand-Linked Pt Nanoparticles: Tunable, Three-Dimensional, Porous Networks for Catalytic Hydrogen Sensing. <i>ChemistryOpen</i> , 2021, 10, 697-712.	1.9	4
2	Characterization of a highly sensitive and selective hydrogen gas sensor employing Pt nanoparticle network catalysts based on different bifunctional ligands. <i>Sensors and Actuators B: Chemical</i> , 2020, 322, 128619.	7.8	9
3	Design and Fabrication Challenges of a Highly Sensitive Thermoelectric-Based Hydrogen Gas Sensor. <i>Micromachines</i> , 2019, 10, 650.	2.9	10
4	Highly Sensitive and Selective Hydrogen Gas Sensor with Platinum Nanoparticles Linked by 4,4'-Diamino-P-Terphenyl (Dater)., 2019, , .		3
5	Ligand-Linked Nanoparticles-Based Hydrogen Gas Sensor with Excellent Homogeneous Temperature Field and a Comparative Stability Evaluation of Different Ligand-Linked Catalysts. <i>Sensors</i> , 2019, 19, 1205.	3.8	8
6	Highly active Co-Al <sub>2</sub> O <sub>3</sub> -based catalysts for CO <sub>2</sub> methanation with very low platinum promotion prepared by double flame spray pyrolysis. <i>Catalysis Science and Technology</i> , 2016, 6, 7449-7460.	4.1	57
7	CO and D <sub>2</sub> O chemistry on continuous and discontinuous samaria thin films on Pt(111). <i>Surface Science</i> , 2016, 650, 221-229.	1.9	1
8	Methanol Adsorption and Reaction on Samaria Thin Films on Pt(111). <i>Materials</i> , 2015, 8, 6228-6256.	2.9	5
9	Investigation of the Growth Behaviour of Cobalt Thin Films from Chemical Vapour Deposition, Using Directly Coupled X-ray Photoelectron Spectroscopy. <i>Zeitschrift Fur Physikalische Chemie</i> , 2015, 229, 1887-1905.	2.8	7
10	Ethylene diamine-assisted synthesis of iron oxide nanoparticles in high-boiling polyols. <i>Journal of Colloid and Interface Science</i> , 2014, 417, 188-198.	9.4	21
11	Impact of Organic Ligands on the Structure and Hydrogenation Performance of Colloidally Prepared Bimetallic PtSn Nanoparticles. <i>ChemCatChem</i> , 2013, 5, 1803-1810.	3.7	12
12	New gold and silver-gold catalysts in the shape of sponges and sieves. <i>Gold Bulletin</i> , 2007, 40, 142-149.	2.7	45